REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
August 1986	Final

4. TITLE AND SUBTITLE
A Negative Impact Report of a Cultural Resources Survey of the Little Cypress Revetment Failure, Pemiscot County, Missouri

5. FUNDING NUMBERS
96X3112

6. AUTHOR(S)
Jimmy D. McNeil

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
In House

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
Dept. of the Army
Memphis District Corps of Engineers
B-202 Clifford Davis Federal Bldg.
Memphis, TN 38103

10. SPONSORING MONITORING AGENCY REPORT NUMBER
169

11. SUPPLEMENTARY NOTES

12a. DISTRIBUTION / AVAILABILITY STATEMENT
Unlimited

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

An intensive cultural resources survey was conducted over approximately 1.8 acres. A pedestrian survey failed to locate any prehistoric, historic, or architectural resources.

14. SUBJECT TERMS	15. NUMBER OF PAGES
	9
	16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT

(164)

A NEGATIVE IMPACT REPORT OF A CULTURAL RESOURCES SURVEY OF THE LITTLE CYPRESS REVETMENT FAILURE PEMISCOT COUNTY, MISSOURI

U.S. Army Corps of Engineers
Memphis District

Jimmy D. McNeil
Staff Archeologist

August 1986

ABSTRACT

On 14 August 1986, an intensive cultural resources survey was conducted by the Environmental Analysis Branch of the U.S. Army Corps of Engineers, Memphis District, over approximately 1.8 acres. The project is located in Pemiscot County, Missouri, Township 19N, Range 13E, SW 1/4 of the S 1/4 of the NE 1/4 of Section 11 of the Portageville Quandrangle. The proposed project includes repairing an eroded revetment. A pedestrian survey failed to locate any prehistoric, historic, or architectural sites within the project right-of-way.

TABLE OF CONTENTS

List of Figures

INTRODUCTION

An intensive survey for cultural resources was conducted by Memphis District Archeologists, Mr. Jimmy McNeil on 14 August 1986, within the Little Cypress Revetment failure project right-of-way. The total project includes 1.8 acres. The survey consisted of visual inspection of the exposed revetment failure and the exposed ground surface. No cultural resources was located within the project right-of-way. The pedestrian survey of this area is in accordance with requirements outlined in the National Historic Preservation Act of 1966 (Public Law 89-665) and recommended to the National Environmental Policy Act of 1969 (Public Law 91-190)

Study Area and Project Description

The project is located in Pemiscot County, Missouri, Township 19N, Range 13E, SW 1/4, SE 1/4, NE 1/4 of Section 11 of the Portageville Quadrange (Figure 1).

Floodwaters have eroded through the existing revetment (Figure 2). Erosion has cut heavily into the existing revetment. In some places the erosion has occurred to a depth of greater than 4 meters below the top soil. The vertical profile showed alternating layers of sand and silt. The thickness of each layer varied.

The area beside and behind the failure was 90% covered with trees, bushes, and grasses.

The proposed maintenace action includes grading the failure bank to a stable incline and then replacing the revetment. All equipment will be brought in over existing roads and across existing levees and berms or by boat. All work will be conducted from/on the existing levee and berms or from river barges. Construction materials will be brought in will be boat. Project right-of-way will extend 100 feet either side of the existing damaged area and 200 feet behind existing top bank.

Environmental Setting

The project is located within the Mississippi Alluvial lowland of southeast Missouri which is the Mississippi Embayment of the Gulf Coast plain physiographic province (Steyermark 1963:xvi). The area is at the edge of an alluvial plain between Crowley's Ridge on the west and Sikeston Ridge to the east.

Today there are no large areas of woodlands remaining the area; however, there are scattered trees along roads and ditches. The trees are predominantly oak, elm, and sycamore.

Fauna present today includes racoon, fox, gray squirrel, fox squirrel and oppossum. A large population of reptiles, amphibians, fish and birds are also found in the area.

Previous Research

Until recently, very little archaeological work has been conducted in the general area of this survey, and no work has been conducted in the immediate project area. Recent work within Pemiscot County has been conducted by Chapman (1955), LeeDecker (1978), Spier (1955), and Williams (1964).

Results of the Records Search

As the area was so small no records search was conducted.

Survey Methodology and Results

The designated maintenance area right-of-way is approximately 1.8 acres in size. The entire area had been disturbed when the levee was originaly built. The survey area extended 100 feet either side of the existing damaged area and 200 feet behind existing top bank. The vertical profile of the erosional feature was carefully checked for cultural traces and indicators. None were found. The non-eroded areas was walked over and visually checked. Shovel samples were dug every 30 meters and the materials screened through a 6mm wire mesh. No cultural artifacts were found in the eight shovel tests. The failure profile was checked for signs of cultural deposits, none were found. The failure profile exhibited alternating layers of sand and silt. The top meter being mostly recently deposited sand.

Conclusions

Based on an in-field cultural resources survey, no evidence of significant prehistoric, historic, or architectural resources exists within the direct impact zone of the proposed maintenance work.

Bibliography

Chapman, Carl H. and Leo O. Anderson

1955 The Campbell Site, A Late Mississippian Town Site and Cemetery in Southeast Missouri, The Missouri Archeologist, 17:2 and 3

LeeDecker, Charles H. et. al.

1978 A Reconnaissance Level Report of the Belle Fountain Ditch and Tributaries Project, Mississippi County, Arkansas, and Dunklin and Pemiscot Counties, Missouri, 1978, Iroquoise Research Institute. Prepared for the U.S. Army Corps of Engineers, Memphis District, Memphis, Tennessee.

Spier, Robert F. G.

1955 Skeleton Remains fom the Campbell Site, The Missouri Archeologist, 17:2 and 3

Williams, J. Raymond

1964 A Study of Fortified Indian Villages in S. E. Missouri. Prepared for the National Park Service.

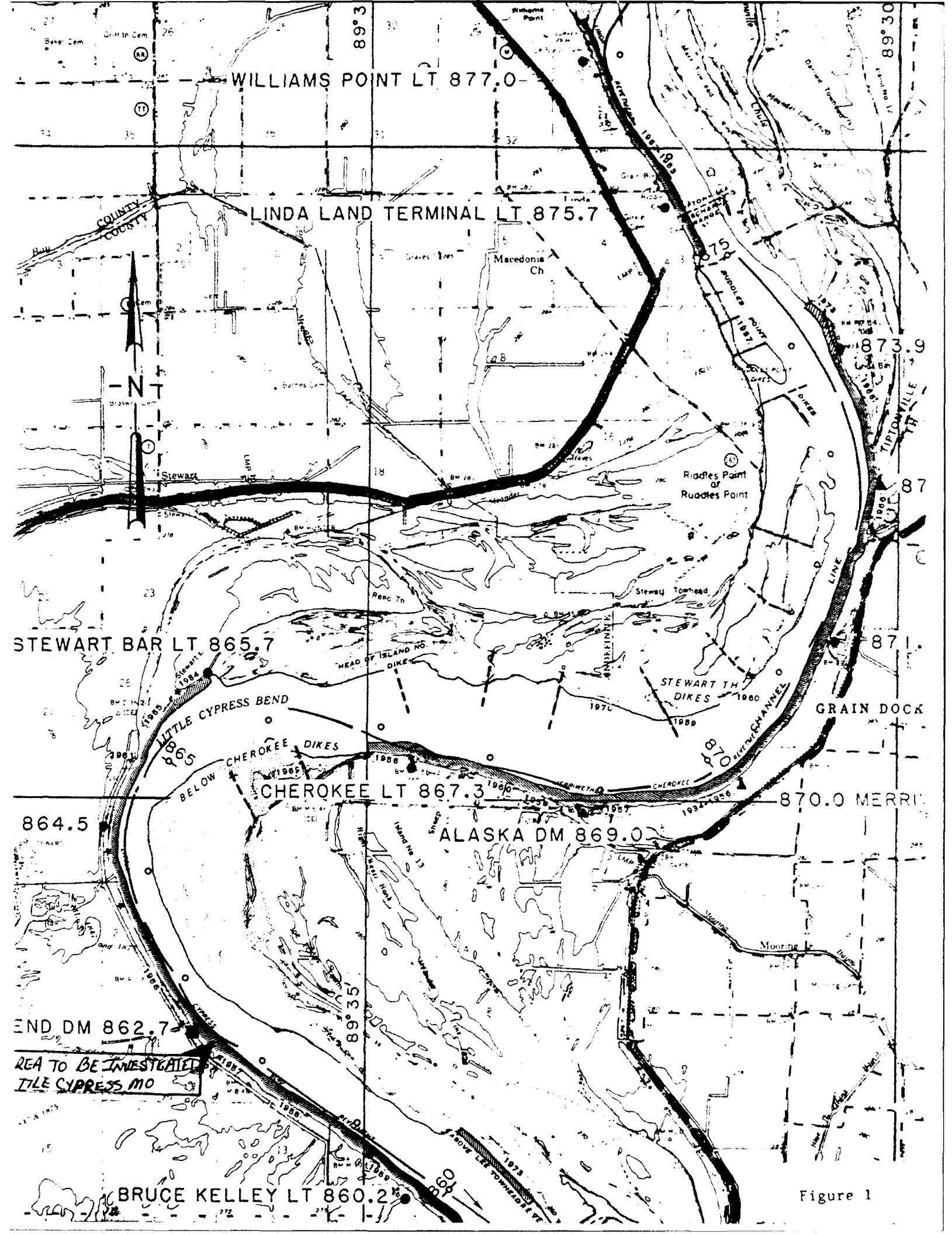
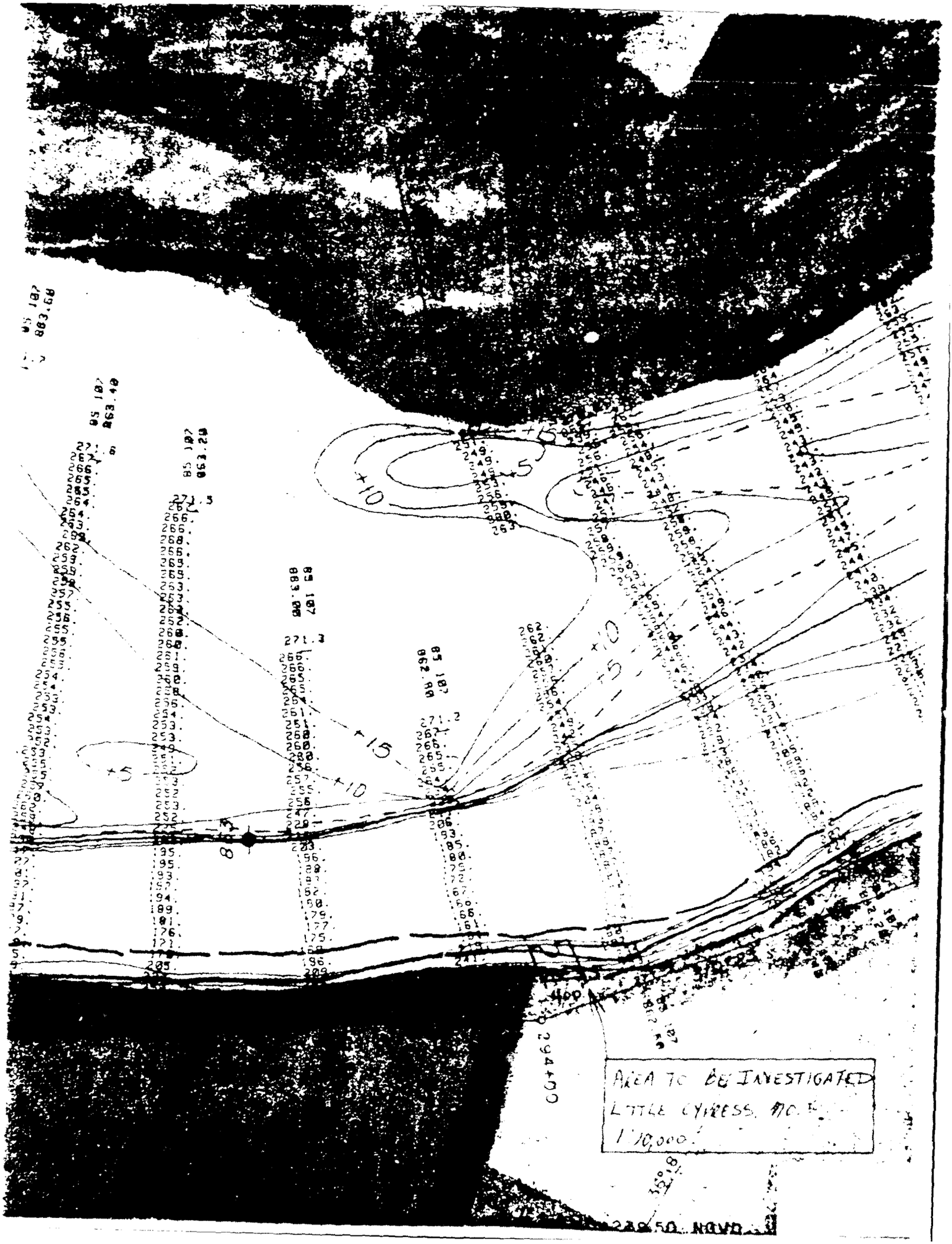
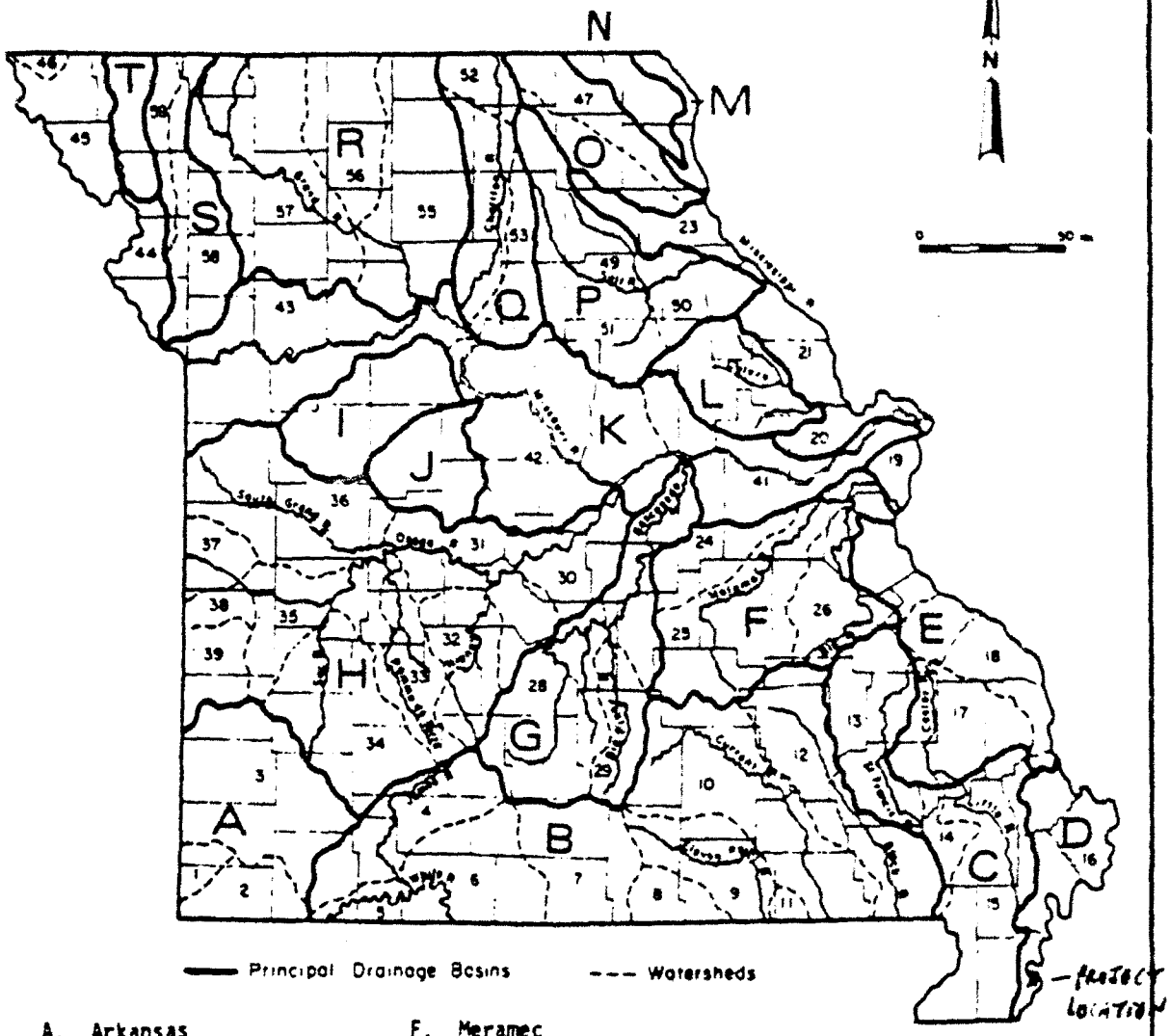

WILLIAMS POINT LT 877.0
LINDA LAND TERMINAL LT 875.7
STEWART BAR LT 865.7
CHEROKEE LT 867.3
ALASKA DM 869.0
BRUCE KELLEY LT 860.2
END DM 862.7
864.5
870.0 MERRI
873.9
89°30
89°35
N
Macedonia Ch
Stewart
Riddles Point or Ruddles Point
Stewart Towhead
LITTLE CYPRESS BEND
BELOW CHEROKEE DIKES
HEAD OF ISLAND NO. DIKE
STEWART TH DIKES
GRAIN DOCK
ABOVE LEE TOWNSHIP DIKE
AREA TO BE INVESTIGATED
LITTLE CYPRESS MO

Figure 1


AREA TO BE INVESTIGATED
LITTLE CYPRESS, NC.
1/10,000.



A. Arkansas
   1. Lost Creek
   2. Elk
   3. Spring
B. White
   4. James
   5. Table Rock
   6. White
   7. North Fork
   8. Spring
   9. Eleven Point
   10. Current
   11. Fourche Creek
   12. Black
C. St. Francis
   13. Upper St. Francis
   14. Lower St. Francis
   15. Little River
D. Lower Mississippi
   16. Lower Mississippi
E. Upper Mississippi
   17. Whitewater/Castor
   18. Mississippi 1
   19. Mississippi 2
   20. Mississippi 3
   21. Mississippi 4
   22. Mississippi 5
   23. North River
F. Meramec
   24. Bourbeuse
   25. Meramec
   26. Big
G. Gasconade
   27. Lower Gasconade
   28. Upper Gasconade
   29. Big Piney
H. Osage
   30. Lower Osage
   31. Lake of the Ozarks
   32. Niangua
   33. Pomme de Terre
   34. Sac
   35. Upper Osage
   36. South Grand
   37. Marais des Cygnes
   38. Little Osage
   39. Marmaton
I. Blackwater
J. Lamine
K. Missouri
   41. Missouri 1
   42. Missouri 2
   43. Missouri 3
   44. Missouri 4
   45. Missouri 5
   46. Nishnabotna
L. Cuivre
M. Des Moines
N. Wyaconda/Fox
O. Fabius
   47. North Fabius
   48. South Fabius
P. Salt
   49. North Fork
   50. Salt 1
   51. Salt 2
Q. Chariton
   52. Upper Chariton
   53. Lower Chariton
   54. Middle/East Fork
R. Grand
   55. Grand 1
   56. Thompson
   57. Grand 2
S. Platte
   58. Platte
   59. One Hundred & Two
T. Nodaway

Figure 3